CUMULATIVE INDEX Volume 25, Numbers 1-4, 1982

Abdominal circumference, and fetal weight, 205-207, 214-217, 741-742

ABO incompatibility

and hemolytic disease of newborn, 333-339

and Rh sensitization, 249

Abortions, Rh-immune globulin in, 274, 284, 289

Abscess of breast

lactational, 382-384

subareolar, recurring, 385

Acupuncture in labor, effects of, 199

Adrenalectomy, in breast cancer, 429, 437

β-Adrenergic agonists, in preterm labor, 131-133, 142

Adriamycin, in endometrial cancer, 95-96 Age

as factor in endometrial cancer, 7-8, 53, 54, 58

gestational. See Gestational age maternal, and fetal chromosome disorders,

paternal, and fetal chromosome disorders, 642-643

Alcohol use and infertility in males, 464, 525, 530

maternal, and fetal breathing movements, 798 as therapy in preterm labor, 130-131

Alkylating agents, and infertility in males, 465, 529

Aminoglutethimide, in breast cancer, 438

Aminophylline in labor, effects of, 200

Amniocentesis

affecting fetal movements, 726

in chromosome abnormalities, 638-643

in diabetes, 778-779

equivocal findings in, 638

for fetal maturity testing, 773-783

at elective delivery, 781

at premature delivery, 781–782

in hemoglobinopathies, 779

in hypertensive disease, 779

in intrauterine growth retardation, 780

in Mendelian and polygenic disorders, 643-648

in multiple gestation, 637

in postterm pregnancy, 780-781

Rh-immune globulin with, 285-286, 289

in Rh isoimmunization, 779-780

risks in third trimester, 782-783

risks in unita trimester, 762-76.

safety of, 636 technique of, 635–636

ultrasonography with, 637

Amniotic fluid

bilirubin levels in Rh sensitization, 295-300, 304

creatinine in, 776-777

embolism from, 221-222

lecithin/sphingomyelin ratio in, 774-775

lipid-laden cells in, 777

phosphatidylglycerol in, 775

shake test of, 775-776

surfactant determinations in, 773-776

ultrasound determination of volume, 743

Amniotomy, in latent phase of labor, 112

Analgesia in labor, effects of drugs in, 143, 194-200

Androgens

and breast cancer development, 390

serum levels in menopause, 22

therapy with

in endocrine problems of menopause, 28

low-dose, in infertility in males, 491-492 in varicocele, 517

Androstenedione conversion to estrone

in endometrial cancer, 11

in menopause, 21-22

Anencephaly, prenatal diagnosis of, 649-650

ultrasound in, 747, 754, 758

Anesthesia in labor

and effects of inhalation agents, 195-196

epidural, for pain relief, 143, 197-198

Anovulation and endometrial cancer, 10-11 and endometrial hyperplasia, 63-64 Antenatal diagnosis. See Prenatal diagnosis Antibodies in cytomegalovirus infection, 566 maternal, to paternal histocompatibility antigens, 550-551 to sperm, 539-540 in viral infections, 547-548 Antidepressants, and infertility in males, 527 Antihypertensive agents, and infertility in males, 528-529 Antimetabolites, in Rh sensitization, 315-316 Arginine therapy, in infertility in males, 492 Aspiration smears, endocervical, in endometrial cancer, 51 Ataxia telangiectasia, prenatal diagnosis of, 646 Atropine in labor, effects of, 196 Azathioprine, in Rh sensitization, 315-316 Barbiturates in labor, effects of, 199 Beta-sympathomimetic agents, in preterm labor, 131-133, 142 Bilirubin in amniotic fluid, in Rh sensitization, 295-300, 304 Biopsy of breast in nonpalpable lesions, 398 in palpable lesions, 396 testicular, in varicocele, 511-512 Biparietal diameter, fetal, 740-741, 744 weight related to, 204-205, 207, 214-217 Bladder delayed function after vaginal surgery, 874-875 exstrophy with vaginal prolapse, 908 paravesical space, 815 prevesical space, 815 vesicocervical and vesicovaginal space, 815-817 Blood pressure, estrogen affecting, 33 Blood transfusions intrauterine, 303-311 Rh-incompatibile, 272 Bloom's syndrome, prenatal diagnosis of, 646 Bone density, menopause affecting, 24 Breast anatomy of, 353-356 anomalies of, 357 benign neoplasms of, 374-381 cancer of adjuvant chemotherapy in, 430-431, 433-434 aminoglutethimide in, 438 combination chemotherapy in, 439-440 determination of recurrence in, 434-435 endocrine therapy in, 429, 437-439 epidemiology of, 387-392

estrogen receptors in, 429, 435

external prostheses in, 452-453

estrogen role in, 32-33

family and social issues in, 453 and fibrocystic disease, 368, 392 free intervals in, 438-439 mammographic detection of, 393-399 mastectomy in, 428-429 metastatic, medical management of, 433-441 and pregnancy, 452 preoperative evaluation in, 427-428 primary treatment of, 425-431 psychosocial issues in, 449-454 radiation therapy in, 429-430 single metastases of, 437 staging of, 428 strategies for treatment of recurrences in, 440-441 tamoxifen in, 429, 438 terminal phase in, 453 thermography in, 405-407 ultrasonic detection of, 417-419, 422 cultural attitudes toward, 447-448 cystosarcoma phyllodes of, 376-377 ultrasonic detection of, 416 embryology of, 356-357 fat necrosis of, 381-382 fibroadenoma of, 374-376 ultrasonic detection of, 416, 421 fibrocystic disease of, 365-370. See also Fibrocystic disease of breast granular cell tumors of, 381 granulomatous disease of, 385 inflammations of, 381-385 lactational mastitis of, 382-384 lipomas of, 380-381 lymphatics of, 356 mammary duct ectasia, 384-385 mammography of. 393-399 Mondor's disease of, 382 nerve supply of, 355 papilloma of intraductal, 377-380 multiple, 380 physical examination of, 360-362 reconstruction of, 443-446, 453 candidates for, 443-444 follow-up in, 446 nipple and areola in, 445 opposite breast in, 445-446 realities of, 444-445 timing of, 444 recurring subareolar abscess of, 385 review questions on, 455-456 self-examination of, 362-363 thermography of, 401-407 tuberculosis of, 385 vascular supply of, 355 Breast-feeding and hepatitis transmission, 581 psychosocial issues in, 448-449 Breathing movements, fetal, 787-800 Breech delivery, 144, 150-154

and assessment of fetal weight, 204 x-ray pelvimetry in, 162-163 Brow presentation of fetus, 147-148

Caffeine therapy, in infertility in males, 492 Calcium intracellular, and uterine activity, 124 serum levels of estrogen affecting, 25

oophorectomy affecting, 25 Caput succedaneum, from vacuum extraction, 168, 171 Carbon dioxide levels, and fetal breathing movements, 796

Carcinoma

of breast. See Breast, cancer of of endometrium. See Endometrium, cancer of Cardiotocography, nonstressed, 689-703

Cardiovascular system estrogen affecting, 26, 27, 33 menopause affecting, 26

Cephalopelvic disproportion, x-ray pelvimetry in, 157-163

Cervical mucus

penetration by sperm, tests for, 478-479 sperm survival in, 487, 488 Cervicographic analysis of labor, 116, 138-140, 193

Cervix meri cerclage in preterm labor, 142 conization of, 849-860 lacerations in parturition, 226-228

smears from, in endometrial cancer, 51 Cesarean section in breech delivery, indications for, 153

in hepatitis of pregnancy, 581 and labor in subsequent pregnancies, 143-144 Chemotherapy

as adjuvant therapy in breast cancer, 430-431, 433-434 combination, in breast cancer, 439-440

in endometrial cancer, 93-98 combinations of agents in, 96-98 single-agent, 95-96

and infertility in males, 465, 529 Chickenpox in pregnancy, 605-609 Chlamydia, and infertility in males, 467, 477

Chlordecone, and infertility in males, 465

Chlordiazepoxide in labor, effects of, 195 Chloroprocaine in labor, effects of, 197

Cholelithiasis, estrogen role in, 34 Chorionic gonadotropin therapy in infertility in males, 491

in varicocele, 517

Chromosome abnormalities amniocentesis in diagnosis of, 638-643 and infertility in males, 475, 496-497

Cimetidine, and male sexual function, 530 Cisplatin, in endometrial cancer, 96 Clindinium bromide, impotence from, 529 Clofibrate, and infertility in males, 530

Clomiphene in infertility in males, 490-491 in varicocele, 517

Clonidine, and infertility in males, 528 Colchicine, and infertility in males, 465

Colporrhaphy, retrorectal levatorplasty with, 939-946 Colton blood group, and hemolytic disease of newborn,

Congenital abnormalities

affecting estrogen assay in pregnancy, 668 of breast, 357 prenatal diagnosis of. See Prenatal diagnosis screening for, ultrasound in, 747-749 vaginal surgery for, 883-890

Conization, cervical, 849-860 compared with tissue-destroying methods, 853-854 complete removal of lesions in, 857-858 complications of, 859 as diagnostic method, 852-853 histology of cone specimens in, 856-857

hysterectomy compared with, 853 incomplete removal of lesions in, 858 indications for, 849-854 in pregnancy, 859-860 repeated, 858-859

technique of, 854-856 as therapeutic measure, 853 Connective tissue, pelvic, in vaginal surgery, 811-820

loose tissue, 815-817 matrix subsections of, 812-815

Contraceptives, oral affecting breast thermography, 404

affecting fibrocystic disease of breast, 367, 369

Contractions, uterine, 124-125, 177-186 in stress test, 707-716

after nonstress fetal heart rate test, 697-698 Coronary artery disease, and effects of estrogen, 26, 27

Corticosteroid therapy hyperglycemia from, 133 in infertility in males, 491 in Rh sensitization, 314-315

Creatinine, in amniotic fluid, 776-777 Cryptorchidism, infertility in, 466

Cushing's syndrome, and infertility in males, 476

Cyclophosphamide in endometrial cancer, 95 and infertility in males, 529

Cyclopropane in labor, effects of, 195-196 Cystic fibrosis

azoospermia in, 465 prenatal diagnosis of, 645-646 Cystic hyperplasia of endometrium, 41 Cystosarcoma phyllodes, 376-377

ultrasonic detection of, 416 Cysts of breast, benign, ultrasonic detection of, 414-415,

Cytogenetic studies, antenatal, indications for, 638-643 Cytology, in endometrial cancer, 51-53 Cytomegalovirus infection in pregnancy, 563-575

Cytomegalovirus infection in pregnancy (continued) clinical features of, 565-566 epidemiology of, 564-565 immune response to, 549, 550 intrauterine transmission of, 567-570 natural history of, 567-573 practical considerations in, 574-575 prevention of, 573-574, 621-622 transmission to infant, 572-573 virologic events in, 570-571

Danazol

affecting breast thermography, 404 in fibrocystic disease of breast, 369, 370 DDT, and infertility in males, 465 Delivery of placenta, 219-220 vacuum extractor for, 167-174 Desensitization, oral, in Rh sensitization, 317-318 and endometrial cancer, 14

and infertility in males, 465 in pregnancy amniocentesis in, 778-779 estrogen assay in, 663-665

fetal movements in, 724-725 and phosphatidylglycerol in amniotic fluid, 775 placental lactogen levels in, 676

Diazepam in labor, effects of, 195 Diazoxide in labor, 200

tocolytic effects of, 133

Dicyclomine hydrochloride, impotence from, 529 Diego blood group, and hemolytic disease of newborn, 326

Diethylstilbestrol, and infertility in males, 465 Digoxin, and uterine activity, 200 Diverticulum, suburethral, 831-837 Doppler stethoscope use, in varicocele, 509 Down's syndrome

and maternal age, 638-639 and paternal age, 642-643

Drug use

and infertility in males, 464-465, 525-530 in labor, effects of, 189-200 inhalation anesthetic agents, 195-196 narcotic analgesics, 194-195 paralytic agents, 196 regional anesthetic agents, 197-199 tranquilizers, 195

maternal, and fetal breathing movements, 798 Duffy blood group, and hemolytic disease of newborn, 324

Dynein defect, in sperm, 498 Dystocia, 103

Ectasia, mammary duct, 384-385 Ectopic pregnancy, Rh-immune globulin in, 284, 289 Embolism, amniotic fluid, 221-222 Encephalocele, ultrasonic diagnosis of, 758

Endocrine disorders and infertility in males, 483-492 in menopause, 19-34 risks of therapy in, 29-34 treatment of, 27-29 Endometrium

cancer of

age factors in, 7-8, 53-54, 58 chemotherapy in, 93-98 compared to precancerous hyperplasia, 45-46 cytologic approaches in, 51-53 detection of, 49-59 in asymptomatic women, 53-57

in symptomatic women, 50-53 and diabetes, 14

diagnostic techniques in, 77-78 epidemiology of, 5-10 estrogen production in, 10-11

and estrogen use, 9, 11-14, 19-20, 29-31, 46, 58 etiology of, 10-15

geographic distribution of, 6-7 histopathology of, 9-10

hormonal therapy in, 93-95 hyperplasia as factor in, 39-43, 58-59, 63-65

and hypertension, 15 instruments for endometrial sampling in, 50-51 management after postoperative diagnosis of, 91 and metaplasia, 44

obesity as factor in, 14, 58 polyps with, 46-47 precursors of, 39-47 progestins in, 68-73 prognostic factors in, 75-77 racial factors in, 8-9 receptor analysis in, 89, 94-95

recurrent, surgery in, 91 review questions on, 101 screening for, 50

staging of, 76, 78-79, 81-84 surgery in, 81-91. See also Hysterectomy, in endometrial cancer

survival rates in. 9 treatment of, 67-73

hyperplasia of, 39-43 atypical secretory, 43 and cancer incidence, 63-65

compared to grade 1 adenocarcinoma, 45-46

complex forms of, 41-43 cystic, 41 estrogen role in, 46

progestins in, 67-73 review questions on, 101 treatment of, 67-73

metaplasia of, 44

polyps of, precancerous, 46-47 sampling procedures for, 50-57 complications of, 55

effectiveness of, 55 interpretation of, 55-56

Enterovirus infections, prevention of, 625 Epididymal defect, in varicocele, 507 Epididymitis, and infertility in males, 465 Epididymovasostomy, 538-539 Epidural anesthesia, for pain relief in labor, 143, 197-198 Episiotomy, 229-230 complications of, 230 Ergonovine, in uterine atony, 223 Erythroblastosis fetalis. See Isoimmunization in pregnancy Estrogens affecting thermography of breast, 404 assays during pregnancy, 659-670 congenital abnormalities affecting, 668 in diabetes, 663-665 and fetal activity, 730 in hypertensive disorders, 665-666 interfering factors in, 662 interpretation of, 662 in intestinal diseases, 668 in intrauterine growth retardation, 666-667 laboratory reliability in, 661-662 in multiple gestation, 668 in postterm pregnancy, 662-663 in pyelonephritis, 668 in Rh isoimmunization, 667-668 urinary or serum specimens in, 661 usefulness of, 668-670 and breast cancer development, 390-391 and infertility in males, 465 metabolism in maternal-placental-fetal unit, 659-660 postmenopausal levels of, 20-22 production in endometrial cancer, 10-11 receptors for in breast cancer, 429, 435 in endometrial cancer, 89, 95 role in fibrocystic disease of breast, 367, 369 therapy with in atrophic vaginitis, 26 and breast cancer, 32-33 calcium levels affected by, 25 cardiovascular effects of, 26, 27, 33 contraindications for, 28 in endocrine problems of menopause, 27-28 and endometrial cancer, 9, 11-14, 19-20, 29-31, 46, 58 and endometrial hyperplasia, 46 and gallstone incidence, 34 and glucose tolerance tests, 33 in hot flashes with menopause, 26 hypertension from, 33 as mental tonic, 27 in osteoporosis, 25, 26-27 and thromboembolic disease, 33 vitamin D levels affected by, 26

Ethanol therapy, in preterm labor, 130-131

Ether anesthesia in labor, effects of, 195

Face presentation of fetus, 146-147 Fanconi's anemia, prenatal diagnosis of, 646 Fat necrosis of breast, 381-382 Fenoterol, in preterm labor, 132 Fertility disorders. See Infertility in males Fetoplacental unit, immunology of, 549-551 α-Fetoprotein in amniotic fluid, in neural tube defects, 650 in maternal serum, elevated, 650 Fetoscopy, 649 Fetus abdominal circumference of, 205-206, 207, 214-217, 741-742 biophysical profile of, 743 biparietal diameter of, 740-741, 744 paired, 738-739 single, before 26 weeks, 737-738 weight related to, 204-205, 207, 214-217 breathing movements of, 787-800 alcohol affecting, 798 and body movements, 727 clinical implications of, 799-800 drugs affecting, 798 gestational age affecting, 796 maternal blood gases affecting, 796-798 maternal meals and glucose levels affecting. 794-795 measurements of, 789-794 nicotine affecting, 798 in parturition, 798-799 physiology in animals, 787-789 time of day affecting, 795-796 ultrasonography of, 789-794 cardiac physiology in, 691-692 contraction stress test of, 707-716 after nonstress heart rate test, 697-698 atypical patterns in, 714-715 baseline heart rate pattern in, 714 clinical applications of, 715-716 negative results in, 712-713 positive results in, 713 procedures in, 710-712 suspicious tests in, 713 crown-rump length measurements in, 736 femur length in, 739-740 growth retardation of. See Growth retardation, intrauterine head-abdomen ratio in, 742 malpresentations of, 144, 145-154 monitoring of heart rate in antepartum, 710-715 body movements in, 730 intrapartum, 108-109, 140, 707-710 nonstress testing in, 689-703 movements of, 719-731 activity cycles in, 696, 727-729 amniocentesis affecting, 726 and breathing movements, 727 clinical use of, 729-730

Fetus, movements of (continued) daily changes in, 724 diurnal variations in, 724 electromagnetic recordings of, 721 external stimuli affecting, 725-727 factors affecting, 723-725 gestational age affecting, 723-724 and heart rate changes, 727 and heart rate monitoring, 730 hypoxia affecting, 725 light affecting, 726 maternal assessment of, 720 meals and glucose affecting, 724-725 medical conditions affecting, 725 recording techniques for, 720-722 sound affecting, 725-726 touch and pressure affecting, 726 types of, 723 ultrasonic recordings of, 721-722 ultrasound affecting, 726-727 and urinary estriol, 730 nonstress heart rate testing of, 689-703 before 32 weeks, 701-703 in fetal compromise, 696-699 followed by oxytocin challenge test, 695, 697, 698-699 followed by contraction stress tests, 697-698 in high-risk groups, 699-701 history of, 690-691 indications for, 693 interpretation of, 695-696 physiologic aspects of, 691-692 standardization of, 692-695 prenatal diagnosis of genetic disorders in, 635-654 ultrasonic examination of, 735-749. See also Ultrasound, fetal studies with uterine contractions affecting, 185-186 vacuum extraction affecting, 171 Fibroadenoma of breast, 374-376 ultrasonic detection of, 416, 421 Fibrocystic disease of breast, 365-370 and cancer risk, 368, 392 clinical observations in, 367-368 diagnosis of, 369 experimental studies of, 366-367 hormone role in, 367, 369 oral contraceptives affecting, 367, 369 pathogenesis of, 365 thermography in, 404 treatment and prevention of, 369-370 ultrasonic detection of, 416 Fistulas, urethrovaginal, after vaginal surgery, 875-877 Fluoroacetamides, and infertility in males, 465 5-Fluorouracil, in endometrial cancer, 95 Fluoxymesterone therapy, in varicocele, 517 Follicle-stimulating hormone levels in infertility in males, 467-468 in menopause, 22-23

relation to sperm count, 489

Fructose, in seminal fluid, 474 Gallamine in labor, effects of, 196 Gallstones, estrogen role in, 34 Gastroschisis, ultrasonic diagnosis of, 760 Genes, linkage analysis of, 650-652 Genetic disorders and infertility in males, 495-499 prenatal diagnosis of, 635-654 Gerbich antigen, and hemolytic disease of newborn, Gestational age and fetal breathing movements, 796 and fetal movements, 723-724 ultrasonic assessment of, 736-740 Glucose serum levels of affecting fetal breathing movements, 794-795 affecting fetal movements, 724-725 beta-sympatomimetic drugs affecting, 133 glucocorticoids affecting, 133 tolerance tests, estrogen affecting, 33 Glycoproteins alpha₁, placental, 680 alpha 2, pregnancy-associated, 682 beta₁, pregnancy-specific, 678-679 Gonadal dysfunction, and infertility in males, 475-476 Gonadotropin deficiency, isolated, and infertility in males, 498 Gonadotropin-releasing hormone therapy, in infertility in males, 491 Gonorrhea, and infertility in males, 476 Granulomatous disease of breast, 385 Gravlee jet washer, for endometrial sampling, 52 Growth retardation, intrauterine, 204 amniocentesis in, 780 estrogen assays in, 666-667

Forceps use, compared to vacuum extractor, 168-169

Halothane anesthesia in labor, effects of, 195 Heart, fetal lesions in, ultrasonic diagnosis of, 748 Heart rate, fetal. See Fetus, monitoring of heart rate Hematoma fetal, from vacuum extraction, 171 of vagina or vulva, in puerperium, 228-229 Hemoglobinopathies, prenatal diagnosis of, 646-648 amniocentesis in, 779 Hemolytic disease of newborn. See Isoimmunization in pregnancy Hemophilia, prenatal diagnosis of, 648 Hemorrhage fetal, from vacuum extraction, 171 fetomaternal Rh-immune globulin in, 285 and Rh sensitization, 249, 277-281

postoperative, after vaginal surgery, 870-873

placental lactogen levels in, 676-677

ultrasonography of, antenatal, 740

Hepatitis and infertility in males, 465 in pregnancy, 577-583 breast-feeding in, 581 cesarean section in, 581 clinical features of, 578 diagnosis of, 578 hepatitis B immunoglobulin in, 581-582 hepatitis B vaccine in, 582, 623 management of, 580-582 screening for, 580-581 transmission to infant, 578-580 Hereditary defects and infertility in males, 495-499 prenatal diagnosis of, 635-654 Heroin use, and infertility in males, 465, 527 Herpes simplex virus infections, 555-561 clinical features of, 556-557 diagnosis of, 557-559 pathogenesis of, 555-556 in pregnancy, 559-560 treatment and prevention of, 560-561, 622 Hexoprenaline, in preterm labor, 132 Hexylcaine in labor, effects of, 197 Histocompatibility complex, and immune response to viral infections, 546, 548 Hormones assays in pregnancy, 673-682 as therapy in endometrial cancer, 93-95 Hot flashes, in menopause, 23 estrogen therapy in, 26 Hydatidiform molar pregnancy, Rh-immune globulin in, 284 Hydralazine, and infertility in males, 528 Hydrocephalus treatment in utero, 748, 768-769 ultrasound diagnosis of, 747-748, 753-754, 755-758 Hydrops fetalis, 251-252 intrauterine transfusions in, 310 Hyperoxia, and fetal breathing movements, 796-798 Hyperplasia of endometrium, precancerous, 39-43 Hypertension and endometrial cancer, 15 estrogen role in, 33 in pregnancy amniocentesis in, 779 estrogen assays in, 665-666 placental lactogen levels in, 677 Hyperthyroidism, and infertility in males, 476 Hypogonadism, hypogonadotropic, and infertility in males, 475-476 Hypophysectomy, in breast cancer, 437 Hypoxia fetal movements in, 725 in varicocele, 506 Hysterectomy compared to cervical conization, 853

in endometrial cancer, 81-91

abdominal approach in, 86-88

and exploration of abdominal contents, 87 and iatrogenic tumor spread, 84-86 postoperative radiation with, 84 preoperative radiation with, 84, 86 and prior therapy with progestins, 68-70 radical procedure in, 89-90 in stage I, 84-90 in stage II, 90-91 in stages III and IV, 91 technique in, 87-88 vaginal approach in, 89 wound closure in, 88-89 vaginal, 863-867 complications of, 869-880 in endometrial cancer, 89 Schauta procedure in, 913-936 Hysteroscopy, in endometrial cancer, 77-78 Immune serum globulin hepatitis B, 581-582 measles, 625 rubella, 592 Immunization cytomegalovirus, 622 hepatitis B, 581-582, 623 influenza, 602, 617, 624 measles, 624-625 mumps, 616 poliomyelitis, 616, 625 in pregnancy, 611-617 complications of, 612-613 history of, 611 rationale of, 611-612 risk factors in, 613 types of vaccines in, 612 rabies, 615-616 rubella, 591-592, 614-615, 619-620 inadvertent, during pregnancy, 592-593, 614 smallpox, 615 varicella, 623 yellow fever, 617 Immunology antibodies to sperm, 539-540 and host response to viral infection, 545-551 and infertility in males, 477-479 Immunosuppression, in Rh sensitization, 314-316 Incontinence, stress, pubococcygeus muscle transplant in, 839-847 Indomethacin, in preterm labor, 131 Infections of breast, lactational, 382-384 Infertility in males and alcohol use, 464, 525, 530 arginine in, 492 caffeine in, 492 chorionic gonadotropin in, 491 chromosome abnormalities in, 475, 496-497 clomiphene in, 490-491 diseases related to, 465, 476-477 treatment of, 477

Infertility in males (continued) drug-induced, 465, 525-530 endocrine problems in, 483-492 endocrine tests in, 467-468 etiology of, 463-466, 474-477 genetic defects in, 495-499 in germinal cell aplasia, 498 glucocorticoids in, 491 in gonadotropin deficiency, isolated, 498 gonadotropin-releasing hormone in, 491 in hypogonadotropic hypogonadism, 475-476 in immotile cilia syndrome, 498 immunologic tests in, 477-479 kallikrein in, 492 in Kallman's syndrome, 497 in Klinefelter's syndrome, 496-497 low-dose androgen in, 491-492 and marijuana use, 464-465, 527, 530 menopausal gonadotropin in, 491 mesterolone in, 491 physical examination in, 466-468 reanastomosis of vas deferens in, 533-540 in Reifenstein's syndrome, 497 and relative fertility of partner, 485-487 review questions on, 541-542 in Rosewater's syndrome, 498 scrotal temperature in, 464 selection of men for therapy in, 487-490 semen analysis in, 468-474 in sex reversal syndrome, 497 sexual practices affecting, 465 stress factors in, 464 testicular disease with primary, 483-484 secondary, 484-485 testosterone suppression and rebound in, 490 in translocations of chromosomes, 497 treatment of, 490-492 urinalysis in, 467 varicocele in, 501-519 detection of, 466-467 ligation of, 489-490 in vasa deferentia aplasia, 498 vitamin C in, 492 vitamin E in. 492 in Y chromosome abnormalities, 497 Influenza, 599-602 etiology and epidemiology of, 599-600 immunization in, 602, 617, 624 in pregnancy, 600-601 congenital malformations from, 601-602 management of, 601 prevention of, 624 Inhalation anesthetic agents in labor, effects of, 195-196 Isaacs aspirator, for endometrial sampling, 52 Isoimmunization ABO incompatibility in, 333-339 compared to Rh incompatibility, 338

diagnosis of, 336

fetal antigens in, 335 laboratory findings in, 335-336 management of, 336-338 maternal antibodies in, 334 amniotic fluid bilirubin in, 295-300, 304 antenatal, mechanisms in, 286 antepartum sensitization in, 249-250 antibody titers in, 293-294 antimetabolites in, 315-316 corticosteroids in, 314-315 desensitization in, oral, 317-318 Diego blood group in, 326 Duffy blood group in, 324 genetic predisposition to, 250 hemolysis mechanisms in, 250-251 hydrops fetalis in, 251-252 immunosuppressive drugs in, 314-316 intrauterine transfusions in, 303-311 irregular antibodies in, 321-329 Kell blood group in, 323-324 kernicterus in, 251 Kidd blood group in, 324-325 Lewis blood group in, 323 Lutheran blood group in, 325-326 MNS blood group in, 325 P blood group in, 326 pathophysiology of, 243-253 plasmapheresis in, 316-317 private antigens in, 327 promethazine hydrochloride in, 314 prophylactic immunosuppression in abortions, 274, 284, 289 in amniocentesis, 285-286, 289 antepartum, 286-289 antigen blockade in, 258-259 antigen deviation and clearance of red cells in. 256-257 blood bank data on, 272 central inhibition in, 259-264 in Connecticut, 269 in early pregnancy, 284-285 in ectopic pregnancy, 284, 289 estimated frequency of, 272-274 failures of, 279 in fetomaternal hemorrhage, 285 in hydatidiform molar pregnancy, 284 in Illinois, 269-270 intravenous Rh-immune globulin in, 341-346 in late pregnancy, 285-286 literature review of, 268-269 in Massachusetts, 270-272 postpartum, 289-290 preparations available for, 283-284 specificity of, 257-258 public antigens in, 326-327 review questions on, 349-350 Rh antigens in, 244-246 chemistry of, 246-247 and expression of D antigen, 248

Rh incompatibility
amniocentesis in, 779-780
compared with ABO incompatibility, 338
estriol excretion in, 667-668
placental lactogen levels in, 676
transfusion-related, 272
in transplacental bleeding, 249
Rh-immune globulin in, 285
tests for detection of, 277-281
and ultrasound scanning for fetal condition, 300-301
Xg blood group in, 326
Isopropamide iodide, impotence from, 529

Kallikrein
affecting sperm motility, 470
as therapy in infertility in males, 492
Kallman's syndrome, and infertility in males, 475, 497
Kartagener's syndrome, immotile cilia of sperm in, 498
Kell blood group, and hemolytic disease of newborn,

323–324 Kernicterus, 251 Kidd blood group, and hemolytic disease of newborn, 324–325

Kidney disease, and infertility in males, 465 Klinefelter's syndrome, 496–497 infertility in, 484

Labor abnormal, 103

abnormal, 103
and perinatal mortality, 105-109
acupuncture in, 199
ambulation affecting, 120
cervicographic analysis of, 116, 138-140, 193
and complications of immediate puerperium,
219-230
delivery of placenta in, 219-220
drugs in, effects of, 189-200

drugs in, effects of, 189-200 fetal breathing movements in, 798-799 and fetal weight assessment with ultrasound, 203-218 hypertonic and hypotonic dysfunction in, 116-117 induction of, 117-120, 140-141 latent phase of, management of, 111-113 malpresentations in, 144, 145-154 management in Great Britain, 137-144 manometric analysis of, 116

oxytocin infusions in, 117-119, 141 in latent phase, 112 pain relief in, 143 effects of drugs in, 194-200

monitoring in, 108-109, 140, 707-710

and planned delivery, 141 preterm, 123-134, 141-143

bedrest in, 129 beta-sympathomimetic agents in, 131–133, 142 cervical cerclage in, 142 contraindications to tocolytic therapy in, 128 definition of, 126–127

ethanol in, 130-131 fluid load in, 129 magnesium sulfate in, 129
phosphodiesterase inhibitors in, 133
predisposing factors in, 125-126
prostaglandin synthetase inhibitors in, 131
treatment of, 128-134
previous cesarean section affecting, 143-144
primary dysfunctional, 116
management of, 120-121
prostaglandins for induction of, 119-120, 141

review questions on, 233-234 secondary arrest of, 116 management of, 121-122

uterine contractions in, 124-125, 177-186. See also
Uterus, contractions of
vacuum extractor for delivery in, 167-174

x-ray pelvimetry in, 157-163 Lacerations of cervix uteri, in parturition, 226-228

mastitis in, 382-384 thermography of breast in, 404 Lactogen, placental, 673-678

Lactation

Lecithin/sphingomyelin ratio, in amniotic fluid, 774-775

Legal issues, in prenatal diagnosis of disorders, 653–654 Levatorplasty, retrorectal, with colporrhaphy, 939–946 Lewis blood group, and hemolytic disease of newborn, 323

Leydig cells, in varicocele, 506-507 Lidocaine in labor, effects of, 197 Lipomas, of breast, 380-381 Luteinizing hormone levels in infertility in males, 467-468 in menopause, 22-23 relation to sperm count, 489

Lutheran blood group, and hemolytic disease of newborn, 325-326

Lymphocytes, in immune response to viral infections, 547

Mackenrodt ligament, 813
Macrophage activity, in viral infections, 546, 548
Magnesium sulfate in labor, 199
in preterm labor, 129
Malpresentations of fetus, 145–154
breech, 144, 150–154
brow, 147–148
compound, 150
face, 146–147
shoulder, 148–149

transverse or oblique lie in, 148-149 vacuum extractor in, 170 vertex-breech, in twin pregnancy, 204 Mammary duct ectasia, 384-385 Mammography, 393-399

indications for, 395 in minimal breast cancer, 398 in multiple masses, 397 in nonpalpable lesions, 397–398 in palpable lesions, 395–397

Mortality, perinatal

parenchymal patterns in, 398 radiation exposure in, 393–394 reliability of, 398–399 in screening for breast cancer, 395 in solitary mass, 395–397 Manometric analysis of labor, 116

Marijuana use, and infertility in males, 464-465, 527, 530

Marsupialization, in suburethral diverticulum, 836 Mastectomy, 428–429

adaptation to, 451
and phantom breast syndrome, 451-452
and Reach to Recovery, 451, 453
reconstruction of breast after, 443-446, 453
and sexual rehabilitation, 444, 453
Mastitis, lactational, 382-384
Measles, prevention of, 624-625

Medroxyprogesterone, and infertility in males, 530 Menopausal gonadotropin therapy, in infertility in males, 491

Menopause

androgen levels in, 22 cardiovascular changes in, 26 endocrine problems in, 19-34 androgen therapy in, 28 progestin therapy in, 28 risks of therapy in, 29-34 treatment of, 27-29 endometrial smears in, 55 estrogen levels in, 20-22 hot flashes in. 23 manifestations of, 23-26 osteoporosis in, 24-26 ovaries in, 20 parathyroid hormone levels in, 25 pituitary-hypothalamus function in, 22-23 and risk of breast cancer, 389 and therapy in breast cancer, 436 and thermograms of breast, 404 uterine changes in, 24 vaginal changes in, 23 Meperidine in labor, 143, 194

643-645
Metaplasia, endometrial, 44
Methadone, and infertility in males, 465
Methyldopa, and infertility in males, 528
Metronidazole, and male sexual function, 530
Microcephaly, ultrasound diagnosis of, 748
Mi-Mark Helix, for endometrial sampling, 52
MNS blood group, and hemolytic disease of newborn,
325

6-Mercaptopurine, in Rh sensitization, 315-316

Metabolic disorders, inherited, prenatal diagnosis of,

Mesterolone, in infertility in males, 491

Molar pregnancy, Rh-immune globulin in, 284 Mondor's disease of breast, 382 Monitoring of fetus during labor, 108–109, 140, 707–710 Mononucleosis, infectious, and infertility in males, 465 in breech deliveries, 151-152
relation to abnormal labor, 105-109
Morules, endometrial, 44
Mosaicism, prenatal detection of, 638
Multiple gestation
amniocentesis in, 637
estrogen assays in, 668
placental lactogen levels in, 676
and selective birth of normal twin, 770
ultrasound in, 637, 745-747
vertex-breech presentation in, 204
Mumps
and infertility in males, 465
vaccine for, 616

Muscle relaxants in labor, effects of, 196 Mycoplasma, and infertility in males, 467, 476–477

Narcotics use for analgesia in labor, effects of, 194-195 and infertility in males, 465, 527 Necrosis, fat, of breast, 381-382 Neural tube defects, prenatal diagnosis of, 649-650 Nifedipine, in preterm labor, 134 Nitrofurans, and infertility in males, 465 Nitrous oxide in labor, effects of, 195

Obesity, and endometrial cancer, 14, 58
Omphalocele, ultrasound diagnosis of, 759
Oophorectomy
affecting calcium levels, 25
in breast cancer, 429, 437
Osteoporosis, postmenopausal, 24-26
estrogen therapy in, 25, 26-27
treatment of, 28-29
Ovaries, menopause affecting, 20
Ovulation, absence of
and endometrial cancer, 10-11

and endometrial hyperplasia, 63-64
Oxytocin
challenge test after nonstress fetal heart rate test,
695, 697, 698-699
infusions in labor, 117-119, 141

in latent phase, 112 maternal levels of, and initiation of labor, 124 as therapy in uterine atony, 222-223

P blood group, and hemolytic disease of newborn, 326
Pain relief in labor, 143
effects of drugs in, 194-200
Papanicolaou smear, in endometrial cancer, 51
Papilloma of breast
intraductal, 377-380
multiple, 380
Paracervical block in labor, effects of, 198-199
Paraldehyde in labor, effects of, 200
Parathyroid hormone levels, in menopause, 25

Parathyroid hormone levels, in menopause, Parity and risk of breast cancer, 389

and thermograms of breast, 403 Partograms in labor, 116, 138-140, 193 Parturition. See Labor Pelvic connective tissue, in vaginal surgery, 811-820 Pelvimetry, x-ray, 157-163 anatomic basis for, 158 argument for, 159-161 in breech presentation, 162-163 clinical, value of, 162 current systems of, 158-159 historical aspects of, 157-158 risks of, 161-162 utilization in United States, 165-166 Perineum, episiotomy of, 229-230 Pesticide exposure, and infertility in males, 465 Phosphatidylglycerol, in amniotic fluid, 775 Phosphodiesterase inhibitors, in preterm labor, 133 Pituitary gland activity in menopause, 22-23 tumors of, testicular disease in, 484-485 Placenta accreta, 220-221 delivery of, 219-220 grading of, and fetal pulmonary maturity, 744 Placental lactogen, human, 673-678 in diabetes, 676 in hypertension, 677 in intrauterine growth retardation, 676-677 in multiple gestation, 676 in postterm pregnancy, 677 Plasmapheresis, in Rh sensitization, 316-317 Poliomyelitis vaccine, 616, 625 Polyps, endometrial, precancerous, 46-47 Pregnancy and breast cancer, 452 cervical conization in, 859-860 estrogen assay in, 659-670 hormone assays in, 673-682 immunizations in, 611-617. See also Immunization nonstress fetal heart rate testing in, 689-703 postterm amniocentesis in, 780-781 estrogen assay in, 662-663 placental lactogen in, 677 and prenatal diagnosis of genetic disorders, 635-654 Rh sensitization in. See Isoimmunization thermography of breast in, 404 ultrasonography in, 735-749 viral infections in. See Viral infections in pregnancy Pregnancy-specific hormones, 673-682 alpha2-glycoprotein, 681 beta₁-glycoprotein, 678-679 placental lactogen, 673-678 placental proteins, 680-681 plasma protein A, 679 plasma protein B, 679-680

Premature infants, care of, 142-143

Prenatal diagnosis, 633-807

amniocentesis in. See Amniocentesis in chromosome abnormalities, 638-643 contraction stress test in, 707-716 in cystic fibrosis, 645-646 estrogen assays in, 659-670 fetal body movements in, 719-731 fetal breathing movements in, 787-800 fetoscopy in, 649 in genetic disorders, 635-654 in hemoglobinopathies, 646-648 in hemophilia, 648 in inborn errors of metabolism, 643-645 legal issues in, 653-654 linkage analysis of genes in, 650-652 in Mendelian and polygenic disorders, 643-648 in neural tube defects, 649-650 nonstress fetal heart rate testing in, 689-703 pregnancy-associated hormones in, 673-682 radiology in, 649 review questions on, 805-807 sex determination in, 652 skin sampling in, 648 in Tay-Sachs disease, 645 ultrasound in, 649, 735-749, 753-771 utilization of, 652-653 Presentations of fetus, abnormal, 144, 145-154. See also Malpresentations Preterm labor, 123-134, 141-143 Procaine in labor, effects of, 197 Progesterone receptors in breast cancer, 429 in endometrial cancer, 89, 94 Progestin therapy in endocrine problems of menopause, 28 in endometrial cancer, 93-95 endometrial changes in, 32 in endometrial hyperplasia, 67-73 Prolactin role, in breast cancer, 390 Prolapse, vaginal, 897-910 postoperative, 879-880 Promethazine in labor, effects of, 195 in Rh sensitization, 314 Propoxyphene hydrochloride in labor, effects of, Propranolol in labor, effects of, 200 Prostaglandin(s) synthesis of, and initiation of labor, 124-125 therapeutic uses of in labor induction, 119-120, 141 in uterine atony, 223 Prostaglandin synthetase inhibitors, in preterm labor, Prostatitis, and infertility in males, 465, 467, 476 Prostheses for breast, external, 452-453

Protein A, pregnancy-associated, in plasma, 679

Proteins, placental, 680-681

Pseudomosaicism, fetal, 638

Protein B, pregnancy-associated, in plasma, 679-680

Psychologic factors in breast cancer, 449-454

in infertility in males, 464

Pubococcygeus muscle transplant, in urinary stress incontinence, 839-847

contraindications for, 841

indications for, 840-841

postoperative care in, 844-845

preoperative care in, 841

results of, 845-847

technique of, 842-844

Pudendal block in labor, effects of, 199

Puerperium, complications of, 219-230

amniotic fluid embolism in, 221-222

cervix and vagina in, 226-229

perineum in, 229-230 placenta in, 219-221

placenta in, 219-22

uterus in, 222-226

Pyelography, intravenous, for ureteral visualization in vaginal surgery, 822-828

Rabies vaccine, 615-616

Racial factors, in endometrial cancer, 8-9

Radiation exposure

and infertility in males, 465

in mammography, 393-394

Radiology

in pelvimetry, 157-163

in prenatal diagnosis of fetal disorders, 649

Radiotherapy

in breast cancer, 429-430 in endometrial cancer

postoperative, 84

preoperative, 84, 86 Receptor analysis, in endometrial cancer, 89, 94-95

Rectovaginal space, 817

Rectum

pararectal space, 817

ptosis with vaginal prolapse, 908

retrorectal levatorplasty with colporrhaphy, 939-946 retrorectal space, 817

Reifenstein's syndrome, infertility in, 497

Reserpine

and breast cancer development, 390

and infertility in males, 528

Rh isoimmunization. See Isoimmunization

Ritodrine, in preterm labor, 132, 142

Rosewater's syndrome, infertility in, 498

Rubella

changing age patterns in, 594

clinical features of, 587

complications of, 587

congenital, 588-590

clinical features of, 589-590

diagnosis of, 590

pathogenesis of, 588-589

description of virus in, 585-586

diagnosis of, 588

epidemiology of, 586-587

immunization in, 591-592, 614-615, 619-620

inadvertent, during pregnancy, 592-593, 614

postpartum, 591-592

incidence in vaccine era, 593-595

pathogenesis of, 587

in pregnancy, 585-596

fetal infection in, 588-590

problems with, 592

prevention of, 591-592, 619-621

reinfection in, 594-595, 621

Salbutamol, in preterm labor, 132, 142

Salicyloazosulfapyridine, and infertility in males, 465

Scanning, testicular, in varicocele, 513

Schauta radical vaginal hysterectomy, 913–936

indications and contraindications for, 914-917

postoperative care in, 934-936

preoperative preparation in, 917

results of, 936

technique of, 917-934

Sclerosing agents, in varicocele, 516

Scopolamine in labor, effects of, 196

Screening programs, for endometrial cancer, 50

Scrotal temperature

and infertility, 464

in varicocele, 467

Semen analysis, 468-474

abnormal sperm in, 470-473

cells in, 473

collection of sample for, 468

counting of sperm in, 473-474, 486

motility of sperm in, 469-470

normal values in, 474

in varicocele, 510-511

viscosity in, 468-469

volume in, 468

Serotonin levels, in varicocele, 505-506

Sertoli cell-only syndrome, infertility in, 498

Sex determination, prenatal, 652

Sex reversal syndrome, and infertility in males, 497

Sexual preactices, and infertility in males, 465

Sexual rehabilitation, postmastectomy, 444, 453

Shake test of amniotic fluid, 775-776

Shock, in vaginal surgery, 873-874

Shoulder presentation of fetus, 148-149

Sickle cell anemia, prenatal diagnosis of, 646-648

Smallpox vaccine, 615

Smears, in endometrial cancer diagnosis, 51-53

Smoking, maternal, and fetal breathing movements, 798

Spermatic vein ligation, in varicocele, 513

Spermatogenesis

drugs affecting, 465

in varocele, 504-507

Spermatozoa

abnormalities in, 470-473

antibodies to, 539-540

detection of, 477-479

cervical mucus penetration by, tests for, 478-479

counting of, 473-474, 486

immobilization test of, 477-478 immotile cilia of, infertility in, 498 motility studies, 469-470 survival in cervical mucus, 487, 488 in varicocele, 510-511 Spina bifida, prenatal diagnosis of, 649-650 ultrasound in, 748, 758 Spinal anesthesia in labor, effects of, 198 Spironolactone, and infertility in males, 530 Succinylcholine in labor, effects of, 196 Surfactant, amniotic fluid, 773-776 Surgery. See also Cesarean section; Hysterectomy; Vagina, surgery of in varicocele, 513-516

Tamoxifen in breast cancer, 429, 438 in endometrial cancer, 95 Tay-Sachs disease, prenatal diagnosis of, 645 Temperature, scrotal in infertility, 464 in varicocele, 467, 505, 509-510 Terbutaline, in preterm labor, 132 agenesis of, 484 biopsy of, in varicocele, 511-512 diseases with infertility primary, 483-484

secondary, 484-485 undescended, infertility with, 466 Testosterone

plasma levels of in infertility in males, 467 relation to sperm count, 489 in varicocele, 506-507 replacement therapy in infertility in males, 484 Tetracaine in labor, effects of, 197

Thalassemia, prenatal diagnosis of, 646-648 Thermography of breast, 401-407 analysis of, 402-403 in cancer detection, 405-407 clinical considerations in, 407 factors affecting, 403-405 normal findings in, 402 techniques of, 402

Thiopurines, in Rh sensitization, 315-316 Thromboembolism, estrogen role in, 33 Tocodynamometry, 178 Tocolytic therapy in preterm labor, 129-134 contraindications to, 128

Tranquilizers in labor, effects of, 195 Transfusions

intrauterine, 303-311 complications from, 308-309 indications for, 303-305 survival rates with, 309-310 technique of, 305-308 timing of, 304-305 ultrasound with, 305, 307-308

Rh-incompatible, 272 Trauma, testicular, infertility from, 466 Trichomonas, and infertility in males. 467 Triiodothyronine therapy, in infertility in males, 491 Tuberculosis of breast, 385 and infertility in males, 465 Tubocurarine in labor, effects of, 196 Tumors of breast benign, 374-381 malignant. See Breast, cancer of of endometrium. See Endometrium, cancer of pituitary, testicular disease in, 484-485

Twin pregnancy. See Multiple gestation Ultrasonography affecting fetal movements, 726-727 amniotic fluid imaging in, 743 in breast examination, 409-422 in benign cysts, 414-415, 421 in cancer detection, 417-419, 422 in cystosarcoma phyllodes, 416 expanded echography in, 419 in fibroadenoma, 416, 421 in fibrocystic disease, 416 historical aspects of, 409-411 manual scanning in, 419-422 normal breast in, 412-413, 420 and tissue characterization for cancer, 418-419 water-coupling technique in, 411-419 fetal studies with, 735-749 abdominal circumference in, 205-206, 207, 214-217, 741-742 abdominal studies in, 749 in abnormal fluid collections, 760-768 biparietal diameter in, 204-205, 207, 214-217, 740-741, 744 body movements in, 721-722 breathing movements in, 789-794 chest studies in, 748 combinations of measurements in, 206-207 in craniospinal defects, 747-748, 753-759

crown-rump length in, 736 and data from linear array real-time scanner, 207-218 femur length in, 739-740 for gestational age assessment, 736-740 in growth retardation, 740 head-abdomen ratio in, 742 in macrosomia, 743-744 in prenatal diagnosis of disorders, 649, 747-749 pulmonary maturity assessment in, 744 stage I examination in, 735-747 stage II examination in, 736, 747-749 in ventral wall defects of abdomen, 759-760 weight assessment in, 203-218 intrauterine therapy with, 748, 768-770 in congenital chylothorax, 769-770

Ultrasonography, intauterine therapy with (continued)

> in hydrocephalus, 748, 768-769 transfusions in, 305, 307-308 in twin pregnancies, 770

in urinary tract obstruction, 769

in multiple gestation, 637, 745-747 placental grading in, 774

prior to amniocentesis, 637

total intrauterine volume in, 742-743

Ureaplasma urealyticum, and infertility in males, 476-477

Ureter, pelvic

anatomy related to vaginal surgery, 821-830

course of, 817-818 pars anterior of, 830 pars intermedia of, 819-820

pars posterior of, 818-819

Urethra, in suburethral diverticulum, 831-837

diagnosis of, 834-835 management of, 835-836

complications of, 836-837

marsupialization in, 836 partial ablation of, 836

symptoms of, 832-834 total excision of, 835-836

Urethrography, in suburethral diverticulum, 834-835 Urethrovaginal fistulas, after vaginal surgery, 875-877

Urinalysis, in infertility in males, 467 Urinary stress incontinence, pubococcygeus muscle transplant in, 839-847

Urinary tract infections, and infertility in males, 465, 476-477

Uterine activity unit, 179, 190-192

atony of, in puerperium, 222-224 cervical conization, 849-860

changes in menopause, 24 contractions of, 177-186

fetal hemodynamics in, 185-186

maternal hemodynamics in, 181-184 measurement of, 177-178

in normal labor, 180-181 physiology of, 124-125

quantitation of, 178-180, 190-192

in stress test, 707-716

uterine blood flow in, 184-185

endometrial conditions. See Endometrium hysterectomy. See Hysterectomy

inversion of, in puerperium, 225-226 rupture of, in puerperium, 224-225

Vaccines. See Immunization

Vacuum extractor for delivery, 167-174 compared to forceps use, 168-169

complications from, 170-172

contraindications to, 170 in elective outlet applications, 170 in fetal distress, 169-170

indications for, 169-170

instruments in, 172

in malpresentations, 170 technical difficulties in, 173

technique of, 172-173

trial of, 173-174

Vagina

changes in menopause, 23

hematoma of, in puerperium, 228 prolapse of, 897-910

bladder exstrophy with, 908

diagnosis of, 900-901

etiology and frequency of, 898

postoperative, 879-880 rectal ptosis with, 908

symptoms of, 900

treatment of, 901-907

types of, 898

rupture of, in puerperium, 229

in suburethral diverticulum, 834

surgery of, 809-946

bladder function after, 874-875

and cervical conization, 849-860

complications of, 869-880 in congenital abnormalities, 883-890

connective tissue in, 811-820

in constrictions, 890-895

fistulas and strictures from, 875-877 hemorrhage from, 870-873

hysterectomy, 863-867

McIndoe operation in, 886, 887-889

postoperative infections from, 877-879

in prolapse, 897-910

prolapse of vaginal vault from 879-880

and pubococcygeus transplant for stress incontinence, 839-847

and retrorectal levatorplasty with colporrhaphy, 939-946

review questions on, 949

Schauta operation in, 913-936

shock from, 873-874

ureteral anatomy in, 821-830

visualization of ureter in, 822-830 Williams' operation in, 886, 889-890

Vaginitis, atrophic, 23 estrogen therapy in, 26

Varicella in pregnancy, 605-609 assessment of risk in, 605-606

congenital malformations from, 606

in early pregnancy, 606

and infection in newborn nursery, 608

in late pregnancy, 606-607 management of, 608

prevention of, 623

and zoster in neonates, 607

Varicocele, 501-519

aberrant hormonal activity in, 506-507

adrenal metabolites in, 505 anatomic factors in, 502

animal models of, 507-508 capillary hydrostatic pressure in, 506 detection of, 466-467 diagnosis of, 508-513 Doppler stethoscope use in, 509 epididymal defect in, 507 etiology of, 502-503 hypoxia in, 506 incidence of, 501-502 ligation of, in infertility, 489-490, 513 physical examination in, 508-509 prolactin levels in, 506 renin levels in, 505 sclerosing agents in, 516 semen analysis in, 510-511 serotonin levels in, 505-506 spermatogenesis in, 504-507 subclinical, 504 testicular biopsy in, 511-512 testicular scanning in, 513 testicular temperature in, 505 measurement of, 509-510 reduction of, 517 treatment of, 513-518 venography in, 510 Vas deferens aplasia of, infertility in, 498 reanastomosis of, 533-540 and absence of sperm in vas fluid, 538 clamps in, 538 epididymovasostomy in, 538-539 failures in, 539 and formation of antibodies to sperm, 539-540 precautions in, 537-538 preparation for, 534-535 procedures in, 533-534 results of, 540 technique of, 535-539 Venography, in varicocele, 510 Vesicocervical space, 815-817

Vesicovaginal space, 815-817

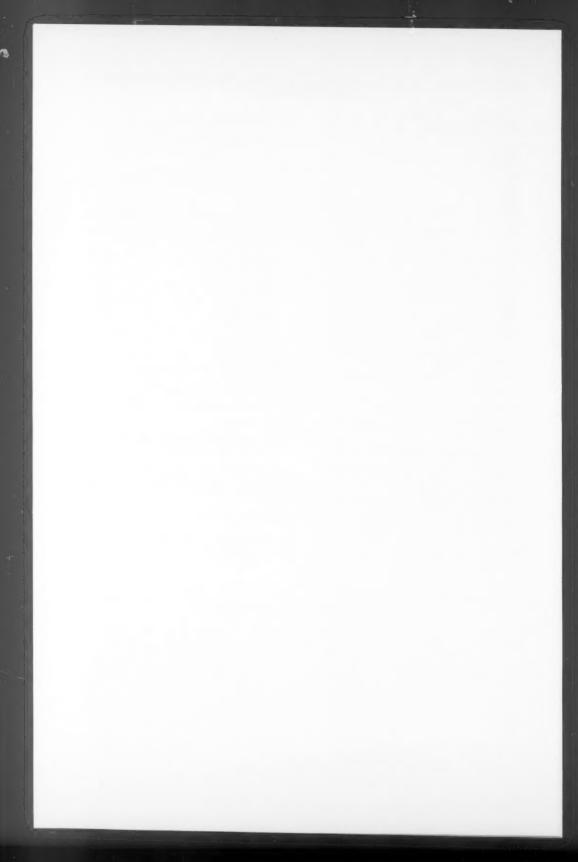
Viral factors in breast cancer, 389 Viral infections in pregnancy, 543-627 cytomegalovirus, 549, 550, 563-575 hepatitis, 577-583 herpes simplex, 555-561 immune response of host to, 545-551 maternal-fetal-placental unit in, 549-551 mechanisms in, 545-546 physiology of, 546-549 immunizations in, 611-617. See also Immunization influenza, 599-602 prevention of, 619-625 cytomegalovirus, 621-622 enteroviruses, 625 hepatitis, 623 herpes simplex, 622-623 influenza, 624 measles, 624-625 rubella, 619-621 varicella, 623 review questions on, 627 rubella, 585-596 varicella, 605-609 Vitamin C, in infertility in males, 492 Vitamin D levels, estrogen affecting, 26 Vitamin E, in infertility in males, 492 Vulva, hematoma of, in puerperium, 228

Weight fetal, assessment with ultrasound, 203-218 and risk of breast cancer, 389

Xeroderma pigmentosum, prenatal diagnosis of, 646 Xg blood group, and hemolytic disease of newborn, 326 X-ray pelvimetry, 157–163

Yellow fever vaccine, 617

Zinc, affecting sperm motility, 469 Zoster, in neonates, 607



AUTHOR INDEX

Alexander, Nancy J., 463 Alford, Jr., Charles A., 563 Anderson, Barrie, 75 Ansbacher, Rudi, 461, 495 Arcarese, Joseph S., 165 Balfour, Henry H., Jr., 619 Barter, Robert H., 863 Beeson, James H., 283 Berger, Gary S., 267 Berkowitz, Richard L., 203 Bishop, Edward H., 111 Blanco, Jorge D., 611 Bowman, John M., 341 Burghardt, Erich, 849 Carenza, Luigi, 913 Caudle, Michael R., 313 Cefalo, Robert C., 103, 115, 145, 157 Collea, Joseph V., 707 Cook, Larry N., 333 Costanza, Mary E., 433 Cruikshank, Dwight P., 633, 773 DeVore, Gregory, 203 Deppe, Gunter, 93 Dierker, LeRoy J., Jr., 719 Dworsky, Meyer E., 563 Ekbladh, Lamar, 167 Eyler, Nancy R., 5 Gehrz, Richard C., 545 Gibbs, Ronald S., 611 Goldwyn, Robert M., 443 Gray, Laman A., Sr., 869 Greenblatt, Robert B., 365 Grossman, John Henry, III, 555 Gusberg, Saul B., 1 Halme, Jouko, 167 Hammond, Charles B., 19

Harbert, Guy, Jr., 177 Harrison, Richard M., 501 Hauser, Katherine S., 673 Herbert, William, 219 Herrmann, Kenneth L., 605 Hofmeister, Frederick L., 821 Holls, William M., 707 Homer, Marc J., 393 Horstmann, Dorothy M., 585 Huddleston, John, 123 Hutson, J. Milton, 189 Ingelman-Sundberg, Axel, 839 Keith, Louis, 267 Kistner, Robert W., 63 Knochel, John O., 303 Knox, G. Eric, 543 Kobayashi, Toshiji, 409 Kochenour, Neil K., 283, 659 Koontz, William L., 111 Koss, Leopold G., 49 Larkin, Ronald M., 303 Larsen, John W., Jr., 599 Lavery, J. Patrick, 689 Lee, Timothy G., 303 Lees, David H., 883 Lewis, Ronald W., 501 Macnaughton, Malcolm C., 137 Mahboubi, E., 5 Marchant, Douglas J., 351, 359, 387 Morehead, James R., 353 Morrison, James L., 165 Morrow, C. Paul, 81 Moussouris, Harry, 49 Nezhat, Camron, 365 Nichols, David H., 425, 809, 939 Nyirjesy, Istvan, 401

AUTHOR INDEX

O'Brien, William, 115, 157 Oberlander, Samuel G., 49 Ory, Steven J., 19 Ott, William, 105 Pass, Robert F., 563 Patrick, John, 787 Petres, Robert E., 753 Petrie, Roy H., 189 Pollack, William, 255 Queenan, John T., 293 Ravski, Norman A., 831 Redwine, Fay O., 753 Reiffenstuhl, Gunther, 811 Richter, Kurt, 897 Rote, Neal S., 243 Sabbagha, Rudy E., 735 Samaras, Constantine, 365 Schlaerth, John B., 81 Schmidt, Stanwood S., 533 Schreiber, Klauss, 49 Schwartz, Gordon Francis, 373 Scott, James R., 241, 277, 313 Scully, Robert, 39 Seeds, John, 145 Simpson, Joe Leigh, 635 Singer, Albert, 883 Small, Elisabeth Chan, 447 Smith, Carol Grace, 525 Smith, Keith D., 483 Socol, Michael L., 735 Sorokin, Yoram, 719 Stagno, Sergio, 563 Stevens, Cladd E., 577 Tamura, Ralph K., 735 Tancer, M. Leon, 831 Varner, Michael W., 673 Vasquez, Jaime M., 365 Verp, Marion S., 635 Villani, Corrado, 913 Warenski, James, 277 Weinstein, Louis, 321 Wynder, Ernst, 5

